

Work Order ID 55582

January 22, 2010 10:06:29 AM



Page 1

Item ID: D4049-2

Accept



Setup Start



Revision ID:

Stop



Item Name: Lug

Start Date: 1/22/10 Start Qty: 1.00



Cust Item ID:

Required Date: 1/26/10 Req'd Qty: 1.00

Customer:

Reference:

Run Start



Approvals:

Process Plan: *RP*

Date: *10-1-27*

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D4049

PA2 PA4 10/01/27

100

0.00

PRELIMINARY ISSUE

1

Bandsaw

Memo

Jeaspa Bandsaw

CUT BLANK 1.800" LONG

DIT 10/01/23

110

0.00



HAAS 1

0.00

1

HAAS CNC vertical machine #1

Memo

mill as per dwg and FOLIO FA900

FOLIO REV: *AA*
DWG REV: *PA3*

DIT 10/01/23

DEBURR

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 55582

January 22, 2010 10:06:29 AM



Page 2

Item ID: D4049-2

Accept



Setup Start



Revision ID:

Stop



Item Name: Lug

Start Date: 1/22/10 Start Qty: 1.00



Cust Item ID:

Required Date: 1/26/10 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 QC Quality Control	QC2- Inspect parts off machine FAI/FAIB Memo	0.00 0.00		<i>DJP 10/01/23</i>		<u>1</u>			
130 QC Quality Control	QC8- Inspect parts - second check Memo <i>no holes in Lug.</i>	0.00 0.00		<i>=> 8106125</i>		<u>(4)</u>			
140 Packaging Packaging	Identify as per dwg & Stock Location: _____ Memo	0.00 0.00							

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 55582

Page 3

January 22, 2010 10:06:29 AM

Item ID: D4049-2

Accept



Setup Start



Revision ID:

Stop



Item Name: Lug

Start Date: 1/22/10 Start Qty: 1.00



Cust Item ID:

Required Date: 1/26/10 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Stop



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

150

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

*Prototype test
10.01.30*

POSITIVE RECALL

EFFECTIVE *12.22* AUTH *[Signature]*

RELEASED _____ DATE _____

W 12/22/08

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 1

January 22, 2010 10:06:34 AM

Work Order ID: 55582



Parent Item: D4049-2

Parent Item Name: Lug

Start Date: 1/22/10

Required Date: 1/26/10

Comments: IPP REV: A NEW ISSUE 10-01-19 JLM VERIFIED BY:EC

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
M304B0.500x1.500 		Purchased	No			100	f	0.0000	0.1580			

304 BAR .500 x 1.50

m304/B2.500x.500

Two Bats

only 10.01.22

Batch # M112764

DIP 10/01/23

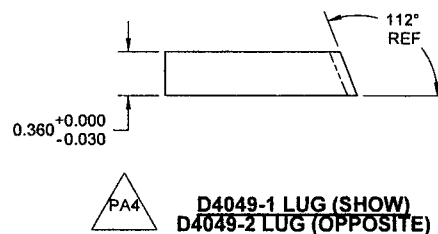
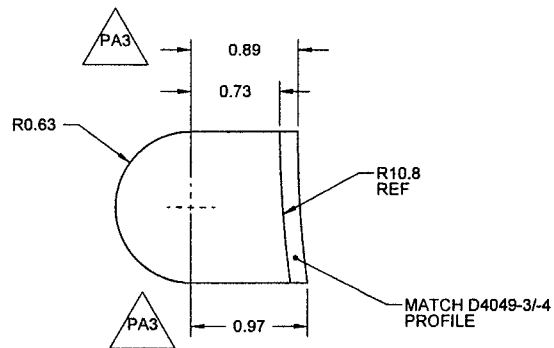
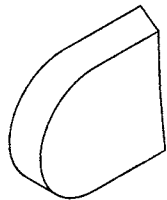
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



W/O 55582

PRELIMINARY ISSUE

~~10.01.21~~



NOTES:

- 1) MATERIAL: AISI 304 STAINLESS STEEL BAR
REF DART SPEC M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.17 lbs

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. PA4
MFG. APPR.		D4049	SHEET 4 OF 7
APPROVED		TITLE	SCALE
DE APPR.		MOUNTING LUG ASSY	NTS
DATE	10.01.21	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

Receiving Report

Date: 9/5/24
 Supplier: MAGNA

Batch No: M112749
 Dart P/O: 10386

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒ N/A ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection ☒ N/A ☐
 Work Order 810215 N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12

Production/Admin: 9/5/24
 Date
 Received/Costing
 Initial

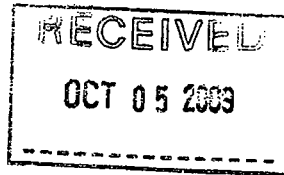
Location



Magna Stainless
5775 Kieran St, Saint-Laurent QC H4S 0A3
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

INVOICE

Pg 1 of 1 I017090



SOLD TO:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON
K6A 1K7

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON
K6A 1K7

MTR:Y

INVOICE DATE:	09/24/09
ORDER DATE:	09/21/09
SHIP DATE:	09/24/09
ORDER NUMBER:	W018706
PURCHASE ORDER:	10386

Currency	Sales Person	Ship Via	F.O.B.	Terms
CANADIAN DOLLARS	ERYCK BLAIS	NIR:R-557065-1	PREPAID	NET 30 DAYS

Ln	Back Ordered	Ordered	Unit	Description	Shipped	Price Per	Value
		4	PC	STAINLESS FLATS SFL 304 HR 1/2" x 2-1/2" x R/L L031497 12'11" 4 PC/222 LB	4 UN	180.00	720.00

09/25/09 13:26:34

Merchandise:	720.00
Surcharges:	
No Tax Costs:	
GST	36.00
Total Due:	756.00

Title to the goods sent out on this invoice remains with Magna Stainless Div of CSMULC until such time as this invoice has been paid in full. Unless otherwise noted terms are 30 days. Interest accrues on all overdue accounts at the rate of 1.5% per month compounded monthly.

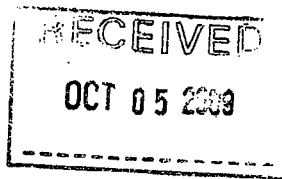
Q.S.T. # 1213236471
G.S.T. # 881565899 RT0001



Magna Stainless
5775 Kieran St, Saint-Laurent QC H4S 0A3
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

INVOICE

Pg 1 of 1 I017098



SOLD TO:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON
K6A 1K7

SHIP TO:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON
K6A 1K7

MTR:Y

INVOICE DATE:	09/24/09
ORDER DATE:	09/14/09
SHIP DATE:	09/24/09
ORDER NUMBER:	W018319
PURCHASE ORDER:	PO10386

Currency	Sales Person	Ship Via	F.O.B.	Terms
CANADIAN DOLLARS	ERYCK BLAIS	NIR:R-557065-1	PREPAID	NET 30 DAYS

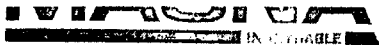
Ln	Back Ordered	Ordered	Unit	Description	Shipped	Price Per	Value
				ALUMINUM - LB			
		1	PC	6061-T6 1/8" X 2 1/2" X 144" L031466 1 PC/5 LB	1 UN	92.00	92.00
		2	PC	6061-T6 1/2" X 10" X 144" L031467 2 PC/146 LB	2 UN	220.00	440.00
		2	PC	6061-T6 2" X 3 1/2" X 144" L031468 2 PC/202 LB	2 UN	310.00	620.00

09/25/09 13:26:36

Merchandise:	1,152.00
Surcharges:	
No Tax Costs:	
GST	57.60
Total Due:	1,209.60

Title to the goods sent out on this invoice remains with Magna Stainless Div of CSM ULC until such time as this invoice has been paid in full. Unless otherwise noted terms are 30 days. Interest accrues on all overdue accounts at the rate of 1.5% per month compounded monthly.

Q.S.T. # 1213236471
G.S.T. # 881565899 RT0001



5775 Kieran St, Saint-Laurent, Quebec H4S 0A3
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

PACKING LIST

REPRINT

I017090

Page: 1 of 1

SOLD TO:
DART AEROSPACE LTD
1270 ABERDEEN STREET

SHIP TO:
DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY, ON
K6A 1K7
Contact: CHANTASL

HAWKESBURY, ON
K6A 1K7
Ship Terms: PREPAID

ASA#

MAGNA
MTR002

SPECIAL INSTRUCTIONS

Currency	Sales Person	Customer Phone	Customer Fax	Customer PO	
CANADIAN DOLLARS	ERYCK BLAIS	(613) 632-5200	(613) 632-1053	10386	
Sales Order	Terms	Ship Via	Date Ordered	Date Required	Date Shipped
W018706	NET 30 DAYS	NIR:R-557065-1	09/21/09	09/24/09	09/24/09

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
4		PC	STAINLESS FLATS SFL 304 HR 1/2" x 2-1/2" x R/L 12'11" 222 LB / 4 PC	L031497	245179	4
Bundles: 1				Total	Weight:	222 LB

Received by: _____ Date: _____ Signature: _____

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577

OUTSTANDING PO REPRINT

Purchase Order ID PO10386

Purchase Order Date 9/10/09

PO Print Date 9/24/09

Page Number 1 of 2

Order From : VC-MAG002
MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	800 363 6646	Requisition Nbr	
Vendor Fax	514 339 1105	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty	Unit Price	Extended Price
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Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
5	M6061T6B0.125X2.500	6061T6 BAR .125 X 2.50	9/18/09 Yes	✓ 12.00 f	Yours ppd	\$7.6600	\$91.92

Special Inst: MAT: 6061-T6/T651/T6510/T6511/T62
ALUMINUM BAR
SPEC: QC-A-225/8 OR AMS-QC-A-
225/8 (OR AMS 4117/4128/4115/4116)
OR QC-A-200/8 OR AMS-QQ-A-200/8
(OR AMS 4160) OR ASTM B211 OR
ASTM B221

Line Total: \$91.92

6	M6061T6B0.500X10.000	6061-T6 Bar .500 x 10.00	9/18/09 Yes	✓ 24.00 f	Yours ppd	\$18.3300	\$439.92
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9/17/24

REFERENCE ONLY

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

9/24/09

C2

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577

OUTSTANDING PO REPRINT

Purchase Order IDPO10386

Purchase Order Date 9/10/09

PO Print Date 9/24/09

Page Number 2 of 2

Order From :

VC-MAG002

MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA

Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

CAD

FOB

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty	Unit Price	Extended Price
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Special Inst: SAME AS ABOVE

Line Total:

\$439.92

7	M6061T6B2.000X03.500	6061-T6 Bar 2.00 x 3.50	9/18/09 Yes	✓ 24.00	Yours ppd	\$25.8300	\$619.92
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9/15/09

Special Inst: SAME AS ABOVE

Line Total:

\$619.92

8	A1304130.500X2.500	304 BAR .500 x 2.50	9/10/09 Yes	47.90	Yours ppd	\$15.0000	\$718.50
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9849

Special Inst: MAT: AISI 304/316 STAINLESS
STEEL BAR (NOTE: AISI 303 NOT
APPLICABLE)

Line Total:

\$718.50

Outstanding PO Total:

\$1,870.26

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

REFERENCE ONLY

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

CL

Change Nbr: 4

Change Date: 9/24/09

P006739-20206240

sapa: Sapa Industrial Extrusions
53 POTTSVILLE STREET

CRESSONA, PA
17929-0187

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer

Ship To Customer

Certified Inspection Report

Sales Order Number	Line No.	Customer P/O	Cert Number	Page
1100072649	3	P90508CG021-3	SAPA89183	1 of 2
			Cert Creation Date	Cert Print Date
			16-JUL-09	16-JUL-09

Quantity Shipped	Date Shipped	Item Description
2242 LB	16-JUL-09	Extruded Rectangular Bar 0.125 TK x 2.5 W 144 IN LN.
B/L	Item No.	6061 / T6511
59905	G03361057	FIN M-MILL
Delivery Id	Item No. Rev	W/F 0.367 F 14 CS 2.5
4029113		Marking CONTINUOUS;
Customer Part No.		ASTMB221 REV 08
125X2.5		UNSA96061 REV
		AMS-QQ-A-200/8 REV

Applicable Specifications, Revisions and Exceptions

Certificate in accordance with EN10204 3.1

COMPOSITION NOTE: The values for 'Others Each' and 'Others Total' have met the limits as shown on this certified inspection report. Remainder is Aluminum.

Legal Statement

We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition and had the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.

Signature And Title

Dave A. Lukasak

Dave A Lukasak

Tech/Quality Manager

16-JUL-09

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G12-PKG1084499	20206240	258	PCS	1129	1121
G12-PKG1084500	20206240	258	PCS	1129	1121

Composition Limits

Alloy	Si		Fe		Cu		Mn		Mg		Cr		Zn	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	0.40	0.8	—	0.7	0.15	0.40	—	0.15	0.8	1.2	0.04	0.35	—	0.25

Inc 09-21-09

S90914DG001-1 MAGNA STAINLESS PO: P006739 Part B:

1.00PC

S
07/09/09

sapa: Sapa Industrial Extrusions
53 POTTSVILLE STREET

CRESSONA, PA
17929-0187

Certified Inspection Report

Sales Order Number
1100072649

Line No.
3

Customer P/O
P90608CG021-3

Cert Number

SAPA89183

Cert Creation Date

16-JUL-09

Page

Page 2 of 2

Cert Print Date

16-JUL-09

Alloy	Ti		Bt		Pb		Others Each		Others Total	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	—	0.15	—	—	—	—	—	0.05	—	0.15

Composition Results

Heat / Cast	Si	Pb	Cu	Mn	Mg	Cr	Zn	Ti	Bi	Pb	Others Each	Others Total
5021323	0.7	0.24	0.28	0.04	0.9	0.06	0.04	0.01	—	—	—	—

Mechanical Property - Test Limits

Test Type			UTS - L		TYS - L		EL 4D-Long	
UOM			KSI		KSI		PCT	
# of Tests			—		—		—	
Test Temper	Lot Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6511	20206240	3	45.3	44.8	39.8	41.2	12.2	12.7

Cert Notes

Products manufactured with a T6511 temper also meet T6 temper requirements.

Yield strength has been determined by the 0.2% offset method

All Alloys Produced at Sapa Industrial Extrusions comply with 0.4% Maximum Lead per RoHS, with the exception of 6262 alloy

Made in USA

JUL 17 2009

BY *Kathy Bell*

KATHY BELL, CERTIFICATION PROCESSOR

Inc 09-21-09

S90914DC001-1 MAGNA STAINLESS PO: P006739 Part #: 1.00PC



SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

P006739-200909862

BILL TO

SHIP TO

MANIFEST NUMBER

86672

CUSTOMER PO

P90716CG001 CT

CUSTOMER PART NUMBER

MRB0481

DIE NUMBER

MRB0481

ALLOY / TEMPER

6061-T6511

DESCRIPTION

MRB 2.000x3.500 /

DATE OF SHIPMENT

8/13/2009

SALESPERSON

David Schroeder

OUR ORDER NUMBER

909662

ITEM

27

CERTIFICATION

ASTM-B221-08 Stencil

SPECIFICATION

AMS-QQA-200/8

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Lot No.	Test No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
200909862	1	08/11/09	54.3	48.0	19.5

S
on/10/05

BY *Melissa Gagner*
MELISSA GAGNER CERTIFICATION PROCESSOR

Chemical Composition for Alloy 6061

Alloy		Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other	Each	Total	Al	Melted In
6061	Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15		Remainder	
	Min	0.40	-	0.15	-	0.8	0.04	-	-	-	-			

United States of America

Rev. 9/06/07 - UMS

Print Date: 8/13/2009

Robert M. Ramage
Robert M. Ramage Ph.D., Director of Quality & Technical Services

Inc 09-21-09

59091406001-3 MAGNA STAINLESS PO: P006739 Part A:
2.00PC 202.00LD

2006739-2045992

sapa: Sapa Industrial Extrusions
53 POTTSVILLE STREET

CRESSONA, PA
17929-0187

Sapa Extrusions Inc., a Subsidiary of Sapa AB

Invoice To Customer

Ship To Customer

Certified Inspection Report

Sales Order Number	Line No.	Customer P/O	Cert Number	Page
1100096128	2	P90810CG002-2	SAPA102563	1 of 3
			Cert Creation Date	Cert Print Date
			12-AUG-09	12-AUG-09

Quantity Shipped	Date Shipped	Item Description
4930 LB	12-AUG-09	Extruded ECON-O-PLATE
B/L	Item No.	0.500 TH x 10.000 W
67087	G03360698	SECT 505025
Delivery Id	Item No. Rev	144.000 IN LN
4037119		6061-T6511
Customer/Part No.		FIN M-MILL
5X10		W/F 5.880 F 04 CS 10
		Marking CONTINUOUS:
		ASTMB221-REV 08
		AMS-QQ-A-200/8 REV
		ASMESB221-REV 99
		UNSH#A96061 REV

Applicable Specifications, Revisions and Exceptions

Certificate in accordance with EN10204 3.1

COMPOSITION NOTE: The values for 'Others Each' and 'Others Total' have met the limits as shown on this certified inspection report. Remainder is Aluminum.

Legal Statement

We hereby certify that, unless otherwise indicated, the material covered by this report has been manufactured, inspected, and tested in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description and that samples representative of the material met the composition and had the mechanical properties shown on the face of this certification. Also, note that mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product. This certification is not to be reproduced in partial form without prior written approval of our Quality Assurance Dept.

Signature And Title

Dave A. Lukasak

Dave A Lukasak

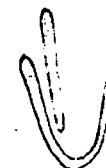
Tech/Quality Manager

12-AUG-09

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	UOM	Weight	
				Gross	Net
G12-PKG1087367	20231651	14	PCS	996	990
G12-PKG1095929	20245992				
G12-PKG1095929	20245992	14	PCS	991	985
G12-PKG1095930	20245992	14	PCS	991	985
G12-PKG1095941	20245992				
G12-PKG1095941	20245992	14	PCS	991	985
G12-PKG1095948	20245992	14	PCS	991	985
G12-PKG1095948	20245992				

807/09/05



Inc 09-21-09

S90914DG001-2 MAGNA STAINLESS PO: P006739 Part 8:
2.00PC 146.001R

sapa: Sapa Industrial Extrusions
53 POTTSVILLE STREET
CRESSONA, PA
17929-0187

Certified Inspection Report

Sales Order Number
1100096128

Line No.
2

Customer P/O
P90810CG002-2

Cert Number
SAPA102563

Page
2 of 3

Cert Creation Date
12-AUG-09

Cert Print Date
12-AUG-09

Composition Limits

Alloy	Si		Fe		Cu		Mn		Mg		Cr		Zn	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
6061	0.40	0.8	---	0.7	0.15	0.40	---	0.15	0.8	1.2	0.04	0.35	---	0.25
Alloy	Ti		B		Pb		Others Each		Others Total					
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max				
6061	---	0.15	---	---	---	---	---	0.05	---	0.15				

Composition Results

Heat / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	B	Pb	Others Each	Others Total
5021479	0.7	0.30	0.29	0.04	0.9	0.04	0.06	0.02	---	---	---	---
Heat / Cast	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	B	Pb	Others Each	Others Total
5021598	0.6	0.27	0.25	0.03	0.9	0.05	0.06	0.02	---	---	---	---

Mechanical Property - Test Limits

Test Type			UTS - L		TYS - L		EL 4D-Long	
UOM			KSI		KSI		PCT	
# of Tests			---		---		---	
Test Temper	Lot Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6511	20231651	2	44.4	45.5	39.9	42.4	18.8	20.1
Test Type			UTS - L		TYS - L		EL 4D-Long	
UOM			KSI		KSI		PCT	
# of Tests			---		---		---	
Test Temper	Lot Number	# of Tests	MIN Value	MAX Value	MIN Value	MAX Value	MIN Value	MAX Value
T6511	20245992	2	44.5	46.6	40.5	42.5	18.9	20.2

Cert Notes

Products manufactured with a T6511 temper also meet T6 temper requirements.
Yield strength has been determined by the 0.2% offset method

Inc 09-21-09

S90914DG001-2 MAGNA STAINLESS PO: P006739 Part #: 2.00PC 146.00LB

8/09/09

sapa: Sapa Industrial Extrusions
53 POTTSVILLE STREET
CRESSONA, PA
17929-0137

Certified Inspection Report

Sales Order Number	Line No.	Customer P/O	Cert Number	Page
1100096128	2	P90810CG002-2	SAPA102563	3 of 3
			Cert Creation Date	Cert Print Date
			12-AUG-09	12-AUG-09

All Alloys Produced at Sapa Industrial Extrusions comply with 0.4% Maximum Lead per RoHS, with the exception of 6262 alloy
Made in USA

AUG 13 2009

BY *Melissa Gagner*
MELISSA GAGNER CERTIFICATION PROCESSOR

Inc 09-21-09

S90914DG001-2 MAGNA STAINLESS PO: P006739 Part #:
2.00PC 146.00LB

Acciaierie Valbruna S.p.A.



36100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Cliant
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
CDN-MILTON, ONT L5T 5Z1-CAN

Produttore: ACCIAIERIE VALBRUNA S.P.A.
Hersteller/From/Usine producteur

Oggetto Prove: Descaled Annealed Hotrolled
Prüfgegenstand/Item Inspected/Finissage

Avviso di Spedizione: D-VI08014292
Ueberlieferungs/Packing to/B.L.

Ordine nr: 805001970 STOCK
Bestell-/Your order/Commande

Tipo di Elaborazione: E+AOD
Erbschmelzungsart/Marking process/Mode d'elaboration

CERTIFICATO DI COLLAUDO ABNAHMEPRUEFZEUGNIS INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005) , 3.1

Certificato nr: MEST632454/2008/
Prüfung/Test/Ceasi

Conferma ordine nr: E108008070
Werkzuege Order/Ret. nr.

Marchio di Fabbrica:
Zeichen des Lieferwerkes
Trade mark
Sigle de l'usine productrice

Punzone del Collaudatore:
Stempel des Werksachverständigen
Inspector's stamp/Plaque de l'assesseur



Specifiche:

Anforderungen / Requirements / Exigences

VAL CANADA 2 304/304L A
ASME SA182 2007 S30400/03 a
ASME SA479 2007 S30400/03 a
ASTM A262 2002A PRACTICE E
ASTM A320 2007A B8
NACE MR0175* 2003 S30400/03 A s
(0) SEC.II PT.A 2007 EDITION
(1) SEC.II PT.A 2007 EDITION
(3) SEC.II PT.A 2007 EDITION
(5) * ISO 15156-3

AMS 5639 H S30400
ASME SA193 2007 B8 1
ASTM A182 2007A S30400/03 a
ASTM A276 2006 S30400/03
ASTM A479 2006A S30400/03
QQ-S-763 F 304/304L

0Chemical analysis only.
2SEC.II PT.A 2007 EDITION
4Chemical analysis only.

AMS 5647 H S30403
ASME SA320 2007 B8 (2)
ASTM A193 2007 B8
ASTM A314 97 S30400/03
MIL-S-862 B/1 304/304L

Qualità: T-304L
Werkstoff/Grade/Qualité

Marca: AISI

Markenbezeichnung/Brand/Qualité

Punzonatura: T-304L

Kennzeichnung/Marking/Markage

Pos. nr. Pos. nr. Nr. de poste	Oggetto Gegenstand Product description Descript. du produit	Dimensioni - In Abmessungen Dimension Dimension	Tolleranza Toleranz Allowance Tolerance	Lunghezza - Ft Länge Length Longueur	Colata Schmelze Coulée	Pezzi Stückzahl Pièces Pièces	Peso - LB Gewicht Weight Poids	Lotto nr. Lage Lot nr. Lot nr.
0040	Flat	2,5000 x 0,5000	484-06B	12 / 13	245179		3.104	707600210

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind i. Anlage erfüllt
The material has been furnished in accordance with the requirements
Le matériel a été fourni conforme aux exigences

Controllo antimescolanza: OK
Verwechslungsprüfung: zufriedenstellend durchgeführt
Antiskipping test performed: OK
Contrôle antimezclage fait: r.a.s.

Controllo visivo e dimensionale: soddisfatta le esigenze
Blickprüfung und Ausmessung: ohne Beanstandung
Visual inspection and dimensional check: satisfactory
Contrôle visuel et dimensionnel: satisfaisant

TEST	Prove/Tests Gegenschein/Querschnitt Longitud. Spec. Baffle Spec. Thick. Long. Spec. Thick. mm	°F	Posiz. Saggio Position Position	Snervamento Streckgrenze Yield Stress Limit elastic Rp 0,2% k.s.i.	Snervamento Streckgrenze Yield Stress Limit elastic	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm k.s.i.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Einziehtrug Reduction of area Striction RA %	Resilienza Kerbschlagenergie Impact Value Resilience	Durezza Härte Hardness Dureté HB
	Valori richiesti 1 Anforderungen/Required values Valeurs dimensionnelles	min max		30	-	75 115	- 40	- 50	-	140 223
A	12,5	68 L	47			91	58	67		179

Grain size for ASTM E112

5

1/L=longitudinale/längs, O=transversal/quers., T=Temperaturtemperatur

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata Heat Schmelze/Coulée	min - max 0,030	1,00	2,00	18,00 20,00	1,00	1,00	8,00 10,50	0,040	0,030	0,100	-	-	-	-	-
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	N %				
245179	0,020	0,42	1,67	18,10	0,54	0,48	8,22	0,100	0,031	0,029	0,081				

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1940°F for 0.5 h/water.

Micro and macro etch test: OK

Intergranular corrosion test per ASTM A262 pract. E: ok

Material is OFARS Compliant

Melted and manufactured in Italy No welding or weld repair Material free from Mercury or radio-activity contamination
The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s. 4.3 by TÜV and LLOYD'S

Vicenza, 21/05/08
VCC008
(Mod. J.CER)

Il collaudatore di stabilimento / der Werksachverständige / Works inspector / L'agent d'usine
M. Rizzotto

Pagina - 1 di 1



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO10386**

Purchase Order Date 9/10/09

PO Print Date 9/10/09

Page Number 1 of 3

Order From :

VC-MAG002

MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA

FAXED
09/10/09

Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms Net 30

Currency CAD

FOB

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M6061T6S.250	6061T6 SHEET .250	9/10/09 Yes	✓ 32.00 sf	Yours ppd 10/9/17	\$13.2800	\$424.96
		Special Inst: MAT: 6061-T6/T62 ALUMINUM SHEET SPEC: QC-A-250/11 OR AMS-QC-A- 250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209					
2	M6061T6R0.625	6061-T6 Round Bar .625"	9/10/09 Yes	✓ 60.00 f	Yours ppd 10/9/17	\$0.8250	\$49.50
		Special Inst: MAT: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR SPEC: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A- 200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221					
3	M6061T6R0.750	6061-T6 Round Bar .750"	9/10/09 Yes	✓ 60.00 f	Yours ppd 10/9/17	\$1.2000	\$72.00
		Special Inst: SAME AS ABOVE					

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 3

Change Date: 9/10/09



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10386

Purchase Order Date 9/10/09

PO Print Date 9/10/09

Page Number 2 of 3

Order From :

MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA

VC-MAG002

Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms Net 30

Currency CAD

FOB

4	M6061T6R1.125	6061 ROUND BAR 1.125	9/10/09	12.00	Yours ppd	\$4.1600	\$49.92
			Yes	f			

Special Inst: SAME AS ABOVE

5	M6061T6B0.125X2.500	6061T6 BAR .125 X 2.50	9/18/09	12.00	Yours ppd	\$7.6600	\$91.92
			Yes	f			

Special Inst: MAT: 6061-T6/T651/T6510/T6511/T62
ALUMINUM BAR
SPEC: QC-A-225/8 OR AMS-QC-A-225/8
(OR AMS 4117/4128/4115/4116) OR QC-A-
200/8 OR AMS-QQ-A-200/8 (OR AMS
4160) OR ASTM B211 OR ASTM B221

6	M6061T6B0.500X01.000	6061-T6 Bar .500 x 1.00	9/18/09	24.00	Yours ppd	\$18.3300	\$439.92
			Yes	f			

Special Inst: SAME AS ABOVE

7	M6061T6B2.000X03.500	6061-T6 Bar 2.00 x 3.50	9/18/09	24.00	Yours ppd	\$25.8300	\$619.92
			Yes	f			

Special Inst: SAME AS ABOVE

8	M304B0.500X2.500	304 BAR .500 x 2.50	9/10/09	60.00	Yours ppd	\$15.0000	\$900.00
			Yes	f			

Special Inst: MAT: AISI 304/316 STAINLESS STEEL
BAR (NOTE: AISI 303 NOT APPLICABLE)

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 3

Change Date: 9/10/09



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10386

Purchase Order Date 9/10/09

PO Print Date 9/10/09

Page Number 3 of 3

Order From :

MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA

VC-MAG002

Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

9	M304B0.750X2.500	304 BAR .750 X 2.50	9/10/09	48.00	Yours ppd	\$27.9200	\$1,340.16
			Yes				

Rec'd 36.30 9/9/10

Special Inst: SAME AS ABOVE

10	M304S11GA	304/316 0.125 Sheet	9/10/09	✓ 128.00	Yours ppd	\$10.4700	\$1,340.16
			Yes	sf			

Special Inst: MAT: AISI 304/316 SS SHEET
ANNEALED 28 FINISH
SPEC: MIL-S-5059 OR AMS 5513(304) OR
AMS 5524 (316) OR ASTM A240 OR
ASME SA240

PO Total: \$5,328.46

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Change Nbr: 3

Change Date: 9/10/09

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable